

The first session of the Working Group was held June 10-21, 1974 in Leningrad. It was agreed to initiate exchanges of scientists and information and to conduct cooperative experiments beginning in 1975 under three projects whose reorganization the Joint Committee subsequently approved:

Project VIII-1 Effects of Changes in the Heat Balance of the

Atmosphere on Climate

Subgroup 1 - Modeling of climate

Subgroup 2 - Assessment of past changes of the climate on the basis of analysis of natural objects and data

Subgroup 3 - Interactions of the atmosphere with polar regions and the oceans as they affect climate

In May-June, 1974, Dr. S. M. Olenicoff, a U.S. specialist on polar research bibliography, visited the USSR and familiarized himself with bibliography, scientific publications and work in Soviet scientific institutions related to research on the influence of polar regions on climate

The project leaders are Dr. J. Smagorinsky, Director, NOAA Geophysical Fluid Dynamic Laboratory (USA) and M. I. Budyko, Correspondent-Member of the USSR Academy of Sciences (USSR).

Project VIII-2 Effects of Pollution of the Atmosphere on Climate

In February 1974 a delegation of Soviet specialists participated in the Fourth Annual American Conference on Results of Evaluation of the

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Influence of Pollution in the High Level Atmosphere on Climate. Scientific objectives of a joint marine expedition are being developed to determine the concentration of minor impurities in the atmosphere and near the ocean-atmosphere boundary in selected regions.

The project leaders are Dr. L. Machta, Air Resources Laboratory, NOAA (USA) and Dr. I. L. Karol, A. I. Voyeykov Main Geophysical Observatory, Leningrad (USSR).

Project VIII-3 Influence of Solar Activity on Climate

The project leaders are Prof. J. M. Wilcox, Institute for Plasma Research, Standord University (USA) and Acadamian Mustel, Hydrometeorological Center, Moscow (USSR).

In connection with these projects, U.S. participants at the June Working Group meeting visited institutions in Leningrad including A. A. Zhdanov State University, the Arctic and Antarctic Research Institute, the Pulkovo Astronomical Observatory, and the A. I. Voyeykov Main Geophysical Observatory, as well as organizations of the Academy of Sciences of the USSR including the Department of Oceanology Institute, the Komarov Botanical Institute, the All-Union Geological Institute, and the Institute of Zoology. In Moscow, visits were made to the Hydrometeorological Center, the Geological Institute, and the Ministry of Aviation Industry as well as the Oceanology Institute, Institute of Atmospheric Physics, Computing Center, and Geography Institute, all of the Academy of Sciences of the USSR.

Subgroups of the American delegation also visited Soviet institutions and observatories in Novosibirsk, the Crimea, Kiev, and the Northern Caucasus.

In all three projects scientists from both sides have exchanged reprints of recently published articles relating to the influence of environmental changes on climate.

The Working Group Co-Chairman are Dr. E. S. Epstein, Associate Administrator for Environmental Monitoring and Prediction, NOAA, who succeeded Dr. W. N. Hess (USA) and Dr. E. P. Bovisenko, Director, A. I. Voyeykov Main Geophysical Observatory, Leningrad (USSR).